

# Dong-il Dan Cho

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185  
papers

1,794  
citations

23  
h-index

36  
g-index

236  
ext. papers

2,263  
ext. citations

2.6  
avg, IF

4.73  
L-index

#	Paper	IF	Citations
185	The surface/bulk micromachining (SBM) process: a new method for fabricating released MEMS in single crystal silicon. <i>Journal of Microelectromechanical Systems</i> , <b>1999</b> , 8, 409-416	2.5	93
184	In-plane single-crystal-silicon microneedles for minimally invasive microfluid systems. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 114, 276-284	3.9	84
183	Discrete-time variable structure controller with a decoupled disturbance compensator and its application to a CNC servomechanism. <i>IEEE Transactions on Control Systems Technology</i> , <b>1999</b> , 7, 414-423	4.8	78
182	Nanowire-Based Biosensors: From Growth to Applications. <i>Micromachines</i> , <b>2018</b> , 9,	3.3	68
181	Surface/bulk micromachined single-crystalline-silicon micro-gyroscope. <i>Journal of Microelectromechanical Systems</i> , <b>2000</b> , 9, 557-567	2.5	63
180	Fabrication of an electrostatic track-following micro actuator for hard disk drives using SOI wafer. <i>Journal of Micromechanics and Microengineering</i> , <b>2001</b> , 11, 1-6	2	55
179	A Monocular Vision Sensor-Based Efficient SLAM Method for Indoor Service Robots. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 318-328	8.9	52
178	<b>2016</b> ,		46
177	In vitro biocompatibility of various polymer-based microelectrode arrays for retinal prosthesis <b>2012</b> , 53, 2653-7		44
176	Roughened polysilicon for low impedance microelectrodes in neural probes. <i>Journal of Micromechanics and Microengineering</i> , <b>2003</b> , 13, 373-379	2	44
175	. <i>IEEE Transactions on Control Systems Technology</i> , <b>1995</b> , 3, 32-38	4.8	41
174	Why is (111) Silicon a Better Mechanical Material for MEMS? <b>2001</b> , 662-665		41
173	Biocompatibility of poloxamer hydrogel as an injectable intraocular lens: a pilot study. <i>Journal of Cataract and Refractive Surgery</i> , <b>2005</b> , 31, 607-13	2.3	37
172	. <i>Journal of Microelectromechanical Systems</i> , <b>1992</b> , 1, 23-30	2.5	37
171	A Non-Contact-Type RF MEMS Switch for 24-GHz Radar Applications. <i>Journal of Microelectromechanical Systems</i> , <b>2009</b> , 18, 163-173	2.5	32
170	Robust Discrete-Time Variable Structure Control Methods. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2000</b> , 122, 766-775	1.6	32
169	Retinal pigment epithelial cell behavior is modulated by alterations in focal cell-substrate contacts. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4210-6		29

168	Microfabrication Methods for Biodegradable Polymeric Carriers for Drug Delivery System Applications: A Review. <i>Journal of Microelectromechanical Systems</i> , <b>2015</b> , 24, 10-18	2.5	28
167	Barbed micro-spikes for micro-scale biopsy. <i>Journal of Micromechanics and Microengineering</i> , <b>2005</b> , 15, 1279-1284	2	26
166	A New Micromachining Technique with (111) Silicon. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, 2699-2703	2.7	26
165	Aqueous KOH Etching of Silicon (110): Etch Characteristics and Compensation Methods for Convex Corners. <i>Journal of the Electrochemical Society</i> , <b>1998</b> , 145, 2499-2508	3.9	25
164	Mesa-supported, Single-crystal Microstructures Fabricated by the Surface/Bulk Micromachining Process. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, 4244-4249	1.4	25
163	A proposal for electrically levitating micromotors. <i>Sensors and Actuators A: Physical</i> , <b>1990</b> , 24, 141-149	3.9	25
162	Highly programmable temperature compensated readout circuit for capacitive microaccelerometer. <i>Sensors and Actuators A: Physical</i> , <b>2010</b> , 158, 72-83	3.9	21
161	A Monocular Vision Sensor-Based Obstacle Detection Algorithm for Autonomous Robots. <i>Sensors</i> , <b>2016</b> , 16,	3.8	21
160	A rotational micro biopsy device for the capsule endoscope <b>2005</b> ,		19
159	The effects of post-deposition processes on polysilicon Young's modulus. <i>Journal of Micromechanics and Microengineering</i> , <b>1998</b> , 8, 330-337	2	19
158	Robustness of multivariable discrete-time variable structure control. <i>International Journal of Control</i> , <b>1999</b> , 72, 1106-1115	1.5	18
157	Arrowhead-Shaped Microelectrodes Fabricated on a Flexible Substrate for Enhancing the Spherical Conformity of Retinal Prostheses. <i>Journal of Microelectromechanical Systems</i> , <b>2011</b> , 20, 251-259	2.5	17
156	Robust SOI process without footing and its application to ultra high-performance microgyroscopes. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 114, 236-243	3.9	17
155	An x-axis single-crystalline silicon microgyroscope fabricated by the extended SBM process. <i>Journal of Microelectromechanical Systems</i> , <b>2005</b> , 14, 444-455	2.5	16
154	Variable Structure Control Method for Fuel-Injected Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1993</b> , 115, 475-481	1.6	16
153	A review of silicon microfabricated ion traps for quantum information processing. <i>Micro and Nano Systems Letters</i> , <b>2015</b> , 3,	2	15
152	Development of a vision-based lane detection system considering configuration aspects. <i>Optics and Lasers in Engineering</i> , <b>2005</b> , 43, 1193-1213	4.6	15
151	Resonant frequency estimation for adaptive notch filters in industrial servo systems. <i>Mechatronics</i> , <b>2017</b> , 41, 45-57	3	14

150	Light-controlled biphasic current stimulator IC using CMOS image sensors for high-resolution retinal prosthesis and in vitro experimental results with rd1 mouse. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2015</b> , 62, 70-9	5	14
149	Lane assignment problem using a genetic algorithm in the Automated Highway Systems. <i>International Journal of Automotive Technology</i> , <b>2008</b> , 9, 353-364	1.6	14
148	Selective silicon-on-insulator (SOI) implant: a new micromachining method without footing and residual stress. <i>Journal of Micromechanics and Microengineering</i> , <b>2005</b> , 15, 1607-1613	2	14
147	Experimental results on sliding mode control of an electromagnetic suspension. <i>Mechanical Systems and Signal Processing</i> , <b>1993</b> , 7, 283-292	7.8	14
146	Effective Disturbance Compensation Method Under Control Saturation in Discrete-Time Sliding Mode Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5696-5707	8.9	14
145	Fabrication of pyramid shaped three-dimensional 88 electrodes for artificial retina. <i>Sensors and Actuators A: Physical</i> , <b>2006</b> , 130-131, 609-615	3.9	13
144	Ultrasonic vehicle detector for side-fire implementation and extensive results including harsh conditions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2001</b> , 2, 127-134	6.1	13
143	Digital Optoelectrical Pulse Method for Vernier-Type Rotary Encoders. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 431-440	5.2	12
142	Fully integrated low-noise readout circuit with automatic offset cancellation loop for capacitive microsensors. <i>Sensors</i> , <b>2015</b> , 15, 26009-17	3.8	12
141	Application of Fuzzy Logic to Vehicle Classification Algorithm in Loop/Piezo-Sensor Fusion Systems. <i>Asian Journal of Control</i> , <b>2008</b> , 3, 64-68	1.7	12
140	A novel electrostatic vertical actuator fabricated in one homogeneous silicon wafer using extended SBM technology. <i>Sensors and Actuators A: Physical</i> , <b>2002</b> , 97-98, 653-658	3.9	12
139	A New Method for Accurately Estimating the Weight of Moving Vehicles Using Piezoelectric Sensors and Adaptive-footprint Tire Model. <i>Vehicle System Dynamics</i> , <b>2003</b> , 39, 135-148	2.8	11
138	Guidelines for Designing Surface Ion Traps Using the Boundary Element Method. <i>Sensors</i> , <b>2016</b> , 16,	3.8	11
137	Non-ideal behavior of a driving resonator loop in a vibratory capacitive microgyroscope. <i>Microelectronics Journal</i> , <b>2008</b> , 39, 1-6	1.8	10
136	A Novel Micromachining Technique to Fabricate Released GaAs Microstructures with a Rectangular Cross Section. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 326-332	1.4	10
135	A fine pitch MEMS probe unit for flat panel display as manufacturing MEMS application. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 115, 46-52	3.9	10
134	Discrete derivative method for adaptive notch filter-based frequency estimators. <i>International Journal of Control, Automation and Systems</i> , <b>2017</b> , 15, 668-679	2.9	9
133	Electrical Characterization of 3D Au Microelectrodes for Use in Retinal Prostheses. <i>Sensors</i> , <b>2015</b> , 15, 14345-55	3.8	9

132	Afocal optical flow sensor for reducing vertical height sensitivity in indoor robot localization and navigation. <i>Sensors</i> , <b>2015</b> , 15, 11208-21	3.8	9
131	A novel line of sight control system for a robot vision tracking system, using vision feedback and motion-disturbance feedforward compensation. <i>Robotica</i> , <b>2013</b> , 31, 99-112	2.1	9
130	Wafer-level hermetic packaged microaccelerometer with fully differential BiCMOS interface circuit. <i>Sensors and Actuators A: Physical</i> , <b>2007</b> , 137, 25-33	3.9	9
129	Silicon retinal tack for the epiretinal fixation of the polyimide electrode array. <i>Current Applied Physics</i> , <b>2006</b> , 6, 649-653	2.6	9
128	Experimental Methods for Trapping Ions Using Microfabricated Surface Ion Traps. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	8
127	Sensor data fusion using Unscented Kalman Filter for accurate localization of mobile robots <b>2010</b> ,		8
126	A Robust Control for Engine and Transmission Systems: Enhancement of Shift Quality.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , <b>2001</b> , 44, 697-707		8
125	Microelectromechanical-System-Based Design of a High-Finesse Fiber Cavity Integrated with an Ion Trap. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	7
124	A New Microfabrication Method for Ion-Trap Chips That Reduces Exposure of Dielectric Surfaces to Trapped Ions. <i>Journal of Microelectromechanical Systems</i> , <b>2018</b> , 27, 28-30	2.5	7
123	Laminar flow assisted anisotropic bacteria absorption for chemotaxis delivery of bacteria-attached microparticle. <i>Micro and Nano Systems Letters</i> , <b>2016</b> , 4,	2	7
122	A New Localization System for Indoor Service Robots in Low Luminance and Slippery Indoor Environment Using Afocal Optical Flow Sensor Based Sensor Fusion. <i>Sensors</i> , <b>2018</b> , 18,	3.8	7
121	Multi-channel stimulator IC using a channel sharing method for retinal prostheses. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 621-5	4	7
120	Optimal and robust design method for two-chip out-of-plane microaccelerometers. <i>Sensors</i> , <b>2010</b> , 10, 10524-44	3.8	7
119	Position estimation for mobile robot using in-plane 3-axis IMU and active beacon <b>2009</b> ,		7
118	Honeycomb-shaped deep-trench oxide posts combined with the SBM technology for micromachining single-crystal silicon without using SOI. <i>Sensors and Actuators A: Physical</i> , <b>2002</b> , 97-98, 734-738	3.9	7
117	Topographic prominence discriminator for the detection of short-latency spikes of retinal ganglion cells. <i>Journal of Neural Engineering</i> , <b>2017</b> , 14, 016017	5	6
116	Fully Differential Chopper-Stabilized Multipath Current-Feedback Instrumentation Amplifier with R-2R DAC Offset Adjustment for Resistive Bridge Sensors. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 63	2.6	6
115	Low noise accelerometer microsystem with highly configurable capacitive interface. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2011</b> , 67, 365-373	1.2	6

114	High performance vision tracking system for mobile robot using sensor data fusion with Kalman filter <b>2010</b> ,		6
113	A novel in vitro sensing configuration for retinal physiology analysis of a sub-retinal prosthesis. <i>Sensors</i> , <b>2012</b> , 12, 3131-44	3.8	6
112	Improvement of bacterial tethering using both physical and chemical surface modification for flagella spin actuators. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 123, 269-276	8.5	6
111	Neuron Stimulation Device Integrated with Silicon Nanowire-Based Photodetection Circuit on a Flexible Substrate. <i>Sensors</i> , <b>2016</b> , 16,	3.8	6
110	Artificial Compound Eye Systems and Their Application: A Review. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	6
109	Capacitive analog front-end circuit with dual-mode automatic parasitic cancellation loop. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 515-523	1.7	5
108	Insect-Mimetic Imaging System Based on a Microlens Array Fabricated by a Patterned-Layer Integrating Soft Lithography Process. <i>Sensors</i> , <b>2018</b> , 18,	3.8	5
107	Motility Control of Bacteria-Actuated Biodegradable Polymeric Microstructures by Selective Adhesion Methods. <i>Micromachines</i> , <b>2014</b> , 5, 1287-1295	3.3	5
106	The Effects of Texture and Doping on the Young's Modulus of Polysilicon. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 518, 21		5
105	A Review of Bioinspired Vision Sensors and Their Applications. <i>Sensors and Materials</i> , <b>2015</b> ,	1.5	5
104	Electrodeless, Non-Invasive Stimulation of Retinal Neurons Using Time-Varying Magnetic Fields. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 8832-8839	4	5
103	Low-Noise Chopper-Stabilized Multi-Path Operational Amplifier with Nested Miller Compensation for High-Precision Sensors. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 281	2.6	4
102	An automatic transmission model for vehicle control		4
101	A perturbation method for calculating the capacitance of electrostatic motors. <i>Journal of Micromechanics and Microengineering</i> , <b>1991</b> , 1, 1-9	2	4
100	Decoupled disturbance compensation under control saturation with discrete-time variable structure control method in industrial servo systems <b>2016</b> ,		4
99	Low-Power and Low-Noise Capacitive Sensing IC Using Opamp Sharing Technique. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 7839-7840	4	4
98	Evaluation of Lapatinib Powder-Entrapped Biodegradable Polymeric Microstructures Fabricated by X-Ray Lithography for a Targeted and Sustained Drug Delivery System. <i>Materials</i> , <b>2015</b> , 8, 519-534	3.5	3
97	A novel method for estimating the heading angle for a home service robot using a forward-viewing mono-camera and motion sensors. <i>International Journal of Control, Automation and Systems</i> , <b>2015</b> , 13, 709-717	2.9	3

96	Online tuning method for notch filter depth in industrial servo systems <b>2016</b> ,		3
95	A new accurate discretization method for high-frequency component mechatronics systems. <i>Mechatronics</i> , <b>2019</b> , 62, 102250	3	3
94	Tuningless servo controller using variable structure control and disturbance compensation <b>2014</b> ,		3
93	A new localization method for mobile robot by data fusion of vision sensor data and motion sensor data <b>2012</b> ,		3
92	Mobile robot vision tracking system using Unscented Kalman Filter <b>2011</b> ,		3
91	Vision tracking system for mobile robots using two Kalman filters and a slip detector <b>2010</b> ,		3
90	A NOVEL Z-AXIS ACCELEROMETER WITH PERFECTLY-ALIGNED, FULLY-OFFSET VERTICAL COMBS FABRICATED USING THE EXTENDED SACRIFICIAL BULK MICROMACHINING PROCESS. <i>International Journal of Computational Engineering Science</i> , <b>2003</b> , 04, 493-496		3
89	The first sub-deg/hr bias stability, silicon-microfabricated gyroscope		3
88	A three-dimensionally silicon-micromachined fluidic amplifier device. <i>Journal of Micromechanics and Microengineering</i> , <b>1998</b> , 8, 7-14	2	3
87	Deep RL Based Notch Filter Design Method for Complex Industrial Servo Systems. <i>International Journal of Control, Automation and Systems</i> , <b>2020</b> , 18, 2983-2992	2.9	3
86	Simultaneous frequency and depth adaptation of notch filter for controlling damped vibrations <b>2017</b> ,		2
85	Drug-loaded cubic micro-chamber made of a biodegradable polymer for bacteria-based drug delivery <b>2013</b> ,		2
84	Simple and fast polydimethylsiloxane (PDMS) patterning using a cutting plotter and vinyl adhesives to achieve etching results. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2017</b> , 2017, 1885-1888	0.9	2
83	A Neural Stimulator with Silicon Nanowire Photodetector for Artificial Retinal Prostheses. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2015</b> , 12, 769-773	0.3	2
82	Bacteria-based microrobot for chemotaxis delivery <b>2015</b> ,		2
81	A motion-information-based vision-tracking system with a stereo camera on mobile robots <b>2011</b> ,		2
80	Fabrication of a micro-fluid gathering tool for the gastrointestinal juice sampling function of a versatile capsular endoscope. <i>Sensors</i> , <b>2011</b> , 11, 6978-90	3.8	2
79	"AUTOTOOL", a PC-based object-oriented automotive powertrain simulation tool		2

78	Novel Valveless Micro Suction Pump Using a Solid Chemical Propellant <b>2007</b> , 310-313		2
77	Development of a MEMS-based Acceleration Sensing Module for Electronic Stability Program <b>2007</b> ,		2
76	Nickel Micro-spike for Micro-scale Biopsy using LiGA Process. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	2
75	Hot-Switching Test of Non-Contact Type MEMS Switch. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , <b>2007</b> ,		2
74	A new isolation method for single crystal silicon MEMS and its application to z-axis microgyroscope		2
73	Monitoring system design for estimating the lateral tire force <b>2002</b> ,		2
72	Engine throttle control using anticipatory band in the sliding phase plane. <i>IEEE Transactions on Control Systems Technology</i> , <b>1993</b> , 1, 280-284	4.8	2
71	A Review of Nanotechnology for Highly Sensitive Photodetectors for Vision Sensors of Insect-like Robots. <i>Sensors and Materials</i> , <b>2015</b> ,	1.5	2
70	Biomimetic Multiaperture Imaging Systems: A Review. <i>Sensors and Materials</i> , <b>2015</b> ,	1.5	2
69	Review of High-resolution Retinal Prosthetic System for Vision Rehabilitation: Our Perspective Based on 18 Years of Research. <i>Sensors and Materials</i> , <b>2018</b> , 30, 1393	1.5	2
68	A Novel Electrostatic Vertical Actuator Fabricated in one Homogeneous Silicon Wafer Using Extended SBM Technology <b>2001</b> , 756-759		2
67	A Four-Channel Low-Noise Readout IC for Air Flow Measurement Using Hot Wire Anemometer in 0.18 $\mu\text{m}$ CMOS Technology. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
66	<b>2016</b> ,		2
65	164 nW Inverter-based capacitive readout IC for microaccelerometer. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 2035-2040	1.7	2
64	An Application of Stereo Camera with Two Different FoVs for SLAM and Obstacle Detection. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 148-153	0.7	2
63	Characterization of the Piezoresistive Effects of Silicon Nanowires. <i>Sensors</i> , <b>2018</b> , 18,	3.8	2
62	Flexible field-effect transistors using top-down fabrication of (111)-silicon nanowires and wafer-level transfer process for neural prostheses. <i>Microelectronic Engineering</i> , <b>2017</b> , 175, 23-29	2.5	1
61	Surface energy modification method using x-ray synchrotron irradiation for controlling bacterial adhesion on biodegradable-polymer structures for bacteria-flagellated microrobots <b>2013</b> ,		1



60	Gain selection method for robustness enhancement in sliding mode control combined with decoupled disturbance compensator with unknown inertia in industrial servo systems <b>2017</b> ,		1
59	Pulse count modulation based biphasic current stimulator for retinal prosthesis and in vitro experiment using rd1 mouse. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 1711-4</i>	0.9	1
58	A versatile biopotential acquisition analog front end IC with effective DC offset and ripple rejection <b>2014</b> ,		1
57	Anisotropic bacterial adsorbed micro chambers by microfluidic trapping array <b>2013</b> ,		1
56	Current stimulator IC with adaptive supply regulator for visual prostheses. <i>Journal of Biomedical Nanotechnology, 2013, 9, 992-7</i>	4	1
55	Pan/Tilt Camera Control for Vision Tracking System Based on the Robot Motion and Vision Information. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3165-3170</i>		1
54	Biodegradable polymer droplet for efficient drug delivery using flagellated bacteria <b>2010</b> ,		1
53	Vision tracking of a moving robot from a second moving robot using both relative and absolute position referencing methods <b>2011</b> ,		1
52	Stable Vision System for Indoor Moving Robot Using Encoder Information. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 50-55</i>		1
51	Wafer-level Hermetic Packaged Dual-axis Digital Microaccelerometer <b>2006</b> ,		1
50	A Bandpass Interface IC for Sacrificial Bulk Micromachined Inertial Sensors <b>2006</b> ,		1
49	Lane assignment using a genetic algorithm in the automated highway systems		1
48	A real-time multi-vehicle simulator for longitudinal controller design. <i>Vehicle System Dynamics, 2006, 44, 369-386</i>	2.8	1
47	Estimation of angular velocity and acceleration by using 2 linear acceleration sensors. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 549-553</i>		1
46	A MEMS-BASED MICRO-BIOPSY ACTUATOR FOR CAPSULAR ENDOSCOPE USING LIGA PROCESS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 20-24</i>		1
45	A novel microneedle array integrated with a PDMS biochip for microfluid systems		1
44	Three-dimensional silicon-micromachined microbiopsy tool and in-vivo experiment		1
43	A disposable MEMS-based micro-biopsy catheter for the minimally invasive tissue sampling <b>2005</b> ,		1

42	Surface/bulk micromachining (SBM) process and deep trench oxide isolation method for MEMS		1
41	Extension of the boundary element method to systems with conductors and piece-wise constant dielectrics. <i>Journal of Microelectromechanical Systems</i> , <b>1996</b> , 5, 221-227	2.5	1
40	Observation of Hong-Ou-Mandel interference with scalable Yb-photon interfaces. <i>Optics Express</i> , <b>2020</b> , 28, 39727-39738	3.3	1
39	A 16-channel Neural Stimulator IC with DAC Sharing Scheme for Artificial Retinal Prostheses. <i>Journal of Semiconductor Technology and Science</i> , <b>2014</b> , 14, 658-665	1.5	1
38	A Retinal Implant System Based on Flexible Polymer Microelectrode Array for Electrical Stimulation <b>2007</b> , 107-119		1
37	Honeycomb-Shaped Deep-Trench Oxide Posts Combined with the SBM Technology for Micromachining Single-Crystal Silicon Without Using SOI <b>2001</b> , 1096-1099		1
36	Trends in Biomimetic Vision Sensor Technology. <i>Journal of Institute of Control, Robotics and Systems</i> , <b>2015</b> , 21, 1178-1184	1	1
35	Sensor Data Fusion Using Unscented Kalman Filter for VOR-Based Vision Tracking System for Mobile Robots. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 103-113	0.9	1
34	Deep Deterministic Policy Gradient-based Parameter Selection Method of Notch Filters for Suppressing Mechanical Resonance in Industrial Servo Systems <b>2019</b> ,		1
33	Error-Dynamics-Based Performance Shaping Methodology for Discrete-time Sliding Mode Control with Disturbance Observer. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 460-464	0.7	1
32	A low-power 33 pJ/conversion-step 12-bit SAR resistance-to-digital converter for microsensors. <i>Microsystem Technologies</i> , <b>2019</b> , 25, 2093-2098	1.7	1
31	Ion shuttling method for long-range shuttling of trapped ions in MEMS-fabricated ion traps. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 027004	1.4	1
30	Matching Risk for Feature Selection in Visual SLAM. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 144-147	0.7	1
29	Frequency-Domain Design Method for Discrete-time Sliding Mode Control and Generalized Decoupled Disturbance Compensator with Industrial Servo Applications. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 96-101	0.7	1
28	The advantage of topographic prominence-adopted filter for the detection of short-latency spikes of retinal ganglion cells. <i>Korean Journal of Physiology and Pharmacology</i> , <b>2017</b> , 21, 555-563	1.8	0
27	Analog front-end measuring biopotential signal with effective offset rejection loop. <i>Bio-Medical Materials and Engineering</i> , <b>2015</b> , 26 Suppl 1, S935-41	1	0
26	Mobile Robot Vision Tracking System Using Dead Reckoning & Active Beacons. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 9379-9384		0
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